



## SPECIAL PRODUCTS

# ADDINOL CLIPTEC XHS 485 FG

### PRODUCT DESCRIPTION

**ADDINOL Cliptec XHS 485 FG** is a high-performance lubricant based on high-quality base oils displaying an outstanding thermal and oxidative stability.

**ADDINOL Cliptec XHS 485 FG** possesses an excellent additivation to guarantee very good lubricating effects, good wettability, low friction, outstanding ageing stability and best corrosion as well as wear protection.

**ADDINOL Cliptec XHS 485 FG** is particularly suited for high temperatures and difficult lubricating and operating conditions. The product prevents solid residues and deposits also at highest temperatures reliably and on the long run.

### APPLICATION

- Especially developed for the application in production plants for the manufacturing of food packaging
- Among the application in BRÜCKNER film stretching lines also suitable for high-temperature applications in textile industry, glass and insulating materials processing as well as in varnish dryers
- Outstanding suitability for further high-temperature applications in kilns, dryers and other devices for the lubrication of conveyor belts, chains and rolls at **temperatures up to +260°C** (temperature depends on re-lubrication and lubricant quantity)

### PLEASE NOTE

Please follow the regulations and instructions of equipment manufacturers. In case of more specific questions please contact our experts for technical application.

### CHARACTERISTICS

- Highest thermal and oxidative stability
- Usable where a direct contact with food and food packaging cannot be excluded (NSF H1)
- Very low tendency to form residues and varnishes at friction points
- Extremely low evaporation loss and oil consumption
- Outstanding protection against friction and wear at various loads and sliding speeds
- Prevents unwanted stick-slip characteristics

### SPECIFICATIONS / APPROVALS

Listed and approved acc. to:

- Kosher
- Halal
- NSF-H1 (Registration no.: 150958)
- BRÜCKNER

**ADDINOL Cliptec XHS 485 FG** is suited for the lubrication of the following **BRÜCKNER Maschinenbau GmbH & Co. KG** sliding chain systems:

- For all chain speeds
- At temperatures up to +260°C
- Acc. to the specifications > 450 m/min
- Especially for BRÜCKNER FOK 4.8 and the following BRÜCKNER sliding chain systems:
  - FOK 4.4.1
  - FOK 4.4.2
  - FOK 4.4.3
  - FOK 4.4.4
  - FOK 4.4.5
  - FOK 4.4.6
  - FOK 4.5
  - FOK 4.7
  - FOK 4.7.2
  - FOK 5.1
  - FOK 5.2
  - FOK 8.x
- **ADDINOL Cliptec XHS 485 FG** is particularly suited in BRÜCKNER film stretching lines for the production of food packaging!

### ADVANTAGES AND BENEFITS

- **Applicable at maximum productivity and highest operating temperatures**
- **No registrations on using films as food packaging**
- **Does not form deposits or sticky and solid residues**
- **Reduction of oil consumption and costs**
- **Outstanding protection at high loads as well as decrease of wear and energy consumption**
- **Ensures anti-stick-slip sliding both under full and minimum load**





## ADDINOL CLIPTEC XHS 485 FG

Preferable application by centralised lubrication systems, dripping oilers, manual or by sump lubrication. Dosage and lubrication intervals depend on chain and plant construction as well as operating conditions. The low evaporation loss and the high thermal stability of the product enable an economic lubricant consumption.

### DELIVERY

Delivery preferable as loose commodity, in containers or drums.

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Cliptec XHS 485 FG	Method acc. to
Appearance			clear, yellow	visual
NSF registration number	NSF-H1		150 958	NSF International
Density	at 15°C	kg/m <sup>3</sup>	966	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	410	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	27	
	at 200°C	mm <sup>2</sup> /s	3.7	
Viscosity index			90	DIN ISO 2909
Flash point	COC	°C	min. 290	DIN EN ISO 2592
Pour point			max. -22	ASTM D 7346
Corrosivity on copper	at 150°C, 3h	corr.level	1	DIN ISO 2160
Evaporation loss			≤ 1.5	DIN 51581-1
VKA , square diameter	1h, 300N	mm	0.36	DIN 51350-3
VKA welding load			1,800 / 2,000	DIN 51350-2

### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.